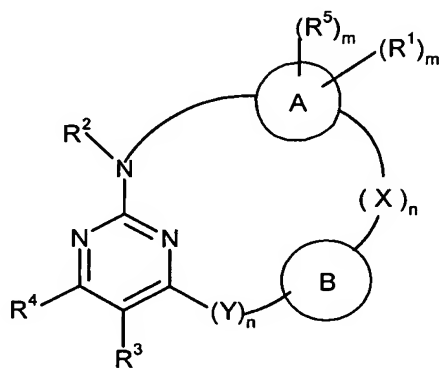




This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) Compounds of formula I



(I),

in which

- A stands for C_3 - C_{12} -~~arylene or C_3 - C_{18} -heteroarylene~~ phenylene or thiophenylene,
- B stands for a bond or for C_1 - C_{12} -alkylene, C_2 - C_{12} -alkenylene, C_2 - C_{12} -alkynylene, C_3 - C_8 -cycloalkylene, C_3 - C_{12} -~~heterocycloalkylene, C_3 - C_{12} -arylene or C_3 - C_{18} -heteroarylene~~ or phenylene that is optionally substituted in one or more places in the same way or differently with hydroxy, halogen, cyano, nitro, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkinyl, C_3 - C_{10} -cycloalkyl, C_1 - C_6 -hydroxyalkyl, C_3 - C_{12} -aryl, C_3 - C_{18} -heteroaryl, $-(CH_2)_p$ - C_3 - C_{12} -aryl, $-(CH_2)_p$ - C_3 - C_{18} -heteroaryl, phenyl $-(CH_2)_p$ - R^{10} , $-(CH_2)_p$ - $PO_3(R^{10})_2$, $-(CH_2)_p$ - SO_3R^8 , or with the group $-NR^8R^9$, $-NR^8COR^9$, $-NR^8CSR^9$,

$-\text{NR}^8\text{SOR}^9, -\text{NR}^8\text{SO}_2\text{R}^9, -\text{NR}^8\text{CONR}^8\text{R}^9, -\text{NR}^8\text{COOR}^9,$
 $-\text{NR}^8\text{C}(\text{NH})\text{NR}^9\text{R}^{10}, -\text{NR}^8\text{CSNR}^9\text{R}^{10}, -\text{NR}^8\text{SONR}^9\text{R}^{10},$
 $-\text{NR}^8\text{SO}_2\text{NR}^9\text{R}^{10}, -\text{COR}^8, -\text{CSR}^8, -\text{S}(\text{O})\text{R}^8, -\text{S}(\text{O})_2\text{R}^8,$
 $-\text{S}(\text{O})_2\text{NR}^8\text{R}^9, -\text{SO}_3\text{R}^8, -\text{CO}_2\text{R}^8, -\text{CONR}^8\text{R}^9, -\text{CSNR}^8\text{R}^9, -\text{SR}^8$ or
 $-\text{CR}^8(\text{OH})-\text{R}^9,$

X and Y, in each case independently of one another, stand for oxygen, sulfur or

for the group $-\text{NR}^{11}, -\text{NR}^{11}(\text{CH}_2)-, -\text{NR}^{11}\text{O}-, -\text{ONR}^{11}, =\text{CR}^6\text{R}^7, =\text{C}=\text{O}, =\text{C}=\text{S},$
 $=\text{SO}, =\text{SO}_2, -\text{C}(\text{O})\text{O}-, -\text{OC}(\text{O})-, -\text{S}(\text{O})\text{O}-, -\text{OS}(\text{O})-, -\text{S}(\text{O})_2\text{O}-,$
 $-\text{OS}(\text{O})_2-, -\text{CONR}^8-, -\text{N}(\text{COR}^8)-, -\text{N}(\text{COOR}^8)-, -\text{N}(\text{CONR}^8\text{R}^9)-, -\text{NR}^8\text{CO}-,$
 $-\text{OCONR}^8-, -\text{NR}^8\text{C}(\text{O})\text{O}-, -\text{CSNR}^8-, -\text{NR}^8\text{CS}-, -\text{OCSNR}^8-, -\text{NR}^8\text{CSO}-,$
 $-\text{SONR}^8-, -\text{NR}^8\text{SO}-, -\text{SO}_2\text{NR}^8-, -\text{S}(\text{O})_2\text{N}(\text{COR}^8)-, -\text{NR}^8\text{SO}_2-,$
 $-\text{NR}^8\text{CONR}^9-, -\text{NR}^8\text{CSNR}^9-, -\text{NR}^8\text{SONR}^9-, -\text{NR}^8\text{SO}_2\text{NR}^9-,$
 $-\text{NR}^8\text{C}(\text{O})\text{NR}^9-$ or $-\text{NR}^8\text{C}(\text{S})\text{NR}^9-,$

R^1 and R^5 , in each case independently of one another, stand for hydrogen,

hydroxy, halogen, nitro, cyano, C_1 - C_6 -alkyl, C_2 - C_6 -alkenyl, C_2 - C_6 -alkinyl, C_3 -
 C_{10} -cycloalkyl, ~~C_3 - C_{12} -aryl, C_3 - C_{18} -heteroaryl~~ or for the group $-\text{C}_1$ - C_6 -alkyloxy-
 C_1 - C_6 -alkyloxy, ~~$(\text{CH}_2)_p$ - C_3 - C_{12} -aryl, $(\text{CH}_2)_p$ - C_3 - C_{18} -heteroaryl, phenyl~~ $(\text{CH}_2)_p$ -
 $\text{R}^{10}, -(\text{CH}_2)_p\text{PO}_3(\text{R}^{10})_2, -\text{NR}^8\text{R}^9, -\text{NR}^8\text{COR}^9, -\text{NR}^8\text{CSR}^9,$
 $-\text{NR}^8\text{SOR}^9, -\text{NR}^8\text{SO}_2\text{R}^9, -\text{NR}^8\text{CONR}^9\text{R}^{10}, -\text{NR}^8\text{COOR}^9,$
 $-\text{NR}^8\text{C}(\text{NH})\text{NR}^9\text{R}^{10}, -\text{NR}^8\text{CSNR}^9\text{R}^{10}, -\text{NR}^8\text{SONR}^9\text{R}^{10}, -\text{NR}^8\text{SO}_2\text{NR}^9\text{R}^{10}, -\text{COR}^8,$
 $-\text{CSR}^8, -\text{S}(\text{O})\text{R}^8, -\text{S}(\text{O})(\text{NH})\text{R}^8, -\text{S}(\text{O})_2\text{R}^8, -\text{S}(\text{O})_2\text{NR}^8\text{R}^9, -\text{S}(\text{O})_2\text{N}=\text{CH}-\text{NR}^8\text{R}^9,$
 $-\text{SO}_3\text{R}^8, -\text{CO}_2\text{H}, -\text{CO}_2\text{R}^8, -\text{CONR}^8\text{R}^9, -\text{CSNR}^8\text{R}^9,$

$-\text{SR}^8$ or $-\text{CR}^8(\text{OH})-\text{R}^9$, or for C_4-C_{10} -alkyl C_1-C_{10} -alkylene, C_2-C_{10} -alkenyl C_2-C_{10} -alkenylene, C_2-C_{10} -alkinyl C_2-C_{10} -alkinylene,
 or C_3-C_{10} -cycloalkyl C_3-C_{10} -cycloalkylene, C_3-C_{12} -aryl or C_3-C_{18} -heteroaryl that is substituted in one or more places in the same way or differently with hydroxy, C_1-C_6 -alkoxy, halogen, phenyl or with the group $-\text{NR}^3\text{R}^4$, and the phenyl, C_3-C_{10} -cycloalkyl, C_3-C_{12} -aryl, C_3-C_{18} -heteroaryl, $-(\text{CH}_2)_p-\text{C}_3-\text{C}_{12}$ -aryl and $-(\text{CH}_2)_p-\text{C}_3-\text{C}_{18}$ -heteroaryl itself optionally can be substituted in one or more places in the same way or differently with halogen, hydroxy, C_1-C_6 -alkyl, C_1-C_6 -alkoxy, or with the group $-\text{CF}_3$ or $-\text{OCF}_3$, and the ring of the C_3-C_{10} -cycloalkyl and the C_4-C_{10} -alkyl optionally can be interrupted by one or more nitrogen, oxygen and/or sulfur atoms and/or can be interrupted by one or more $=\text{C}=\text{O}$ groups in the ring and/or optionally one or more possible double bonds can be contained in the ring,

R^2 stands for hydrogen or C_1-C_{10} -alkyl,

R^3 stands for hydrogen, halogen, nitro, cyano, C_1-C_{10} -alkyl, halo- C_1-C_{10} -alkyl, C_2-C_{10} -alkenyl, C_2-C_{10} -alkinyl, C_3-C_{10} -cycloalkyl, hydroxy, C_1-C_6 -alkoxy, C_1-C_6 -alkylthio, amino, $-\text{NH}-(\text{CH}_2)_p-\text{C}_3-\text{C}_{10}$ -cycloalkyl, C_1-C_6 -hydroxyalkyl, C_1-C_6 -alkoxy- C_1-C_6 -alkyl, C_1-C_6 -alkoxy- C_1-C_6 -alkoxy- C_1-C_6 -alkyl, $-\text{NHC}_1-\text{C}_6$ -alkyl, $-\text{N}(\text{C}_1-\text{C}_6\text{-alkyl})_2$, $-\text{SO}(\text{C}_1-\text{C}_6\text{-alkyl})$, $-\text{SO}_2(\text{C}_1-\text{C}_6\text{-alkyl})$, C_1-C_6 -alkanoyl, $-\text{CONR}^8\text{R}^9$, $-\text{COR}^{10}$, C_1-C_6 -alkylOAc, carboxy, C_3-C_{12} -aryl, C_3-C_{18} -heteroaryl, $-(\text{CH}_2)_p-\text{C}_3-\text{C}_{12}$ -aryl, $-(\text{CH}_2)_p-\text{C}_3-\text{C}_{18}$ -heteroaryl, phenyl $(\text{CH}_2)_p-\text{R}^{10}$, $-(\text{CH}_2)_p\text{PO}_3(\text{R}^{10})_2$ or for the group $-\text{NR}^8\text{R}^9$,

or for C₁-C₁₀-alkyl, C₂-C₁₀-alkenyl, C₂-C₁₀-alkinyl, or C₃-C₁₀-cycloalkyl, C₃-C₁₂-aryl or C₃-C₁₈-heteroaryl that is substituted in one or more places in the same way or differently with hydroxy, halogen, C₁-C₆-alkoxy, C₁-C₆-alkylthio, amino, cyano, C₁-C₆-alkyl, -NH-(CH₂)_p-C₃-C₁₀-cycloalkyl, C₃-C₁₀-cycloalkyl, C₁-C₆-hydroxyalkyl, C₂-C₆-alkenyl, C₂-C₆-alkinyl, C₁-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkoxy-C₁-C₆-alkoxy-C₁-C₆-alkyl, -NHC₁-C₆-alkyl, -N(C₁-C₆-alkyl)₂, -SO(C₁-C₆-alkyl), -SO₂(C₁-C₆-alkyl), C₁-C₆-alkanoyl, -CONR⁸R⁹, -COR¹⁰, C₁-C₆-alkylOAc, carboxy, ~~C₃-C₁₂-aryl, C₃-C₁₈-heteroaryl, (CH₂)_p-C₃-C₁₂-aryl, (CH₂)_p-C₃-C₁₈-heteroaryl, phenyl (CH₂)_p-R¹⁰, -(CH₂)_pPO₃(R¹⁰)₂ or with the group -NR⁸R⁹, and the phenyl, C₃-C₁₀-cycloalkyl, C₃-C₁₂-aryl, C₃-C₁₈-heteroaryl, (CH₂)_p-C₃-C₁₂-aryl and (CH₂)_p-C₃-C₁₈-heteroaryl itself optionally can be substituted in one or more places in the same way or differently with halogen, hydroxy, C₁-C₆-alkyl, C₁-C₆-alkoxy, or with the group -CF₃ or -OCF₃, and the ring of the C₃-C₁₀-cycloalkyl and the C₁-C₁₀-alkyl optionally can be interrupted by one or more nitrogen, oxygen and/or sulfur atoms and/or can be interrupted by one or more =C=O groups in the ring and/or optionally one or more possible double bonds can be contained in the ring,~~

R⁴ stands for hydrogen, halogen or C₁-C₄-alkyl,

R⁶, R⁷, R⁸,

R⁹, R¹⁰

and R¹¹, in each case independently of one another, stand for hydrogen or for

C₁-C₁₀-alkyl, C₂-C₁₀-alkenyl, C₂-C₁₀-alkinyl, C₃-C₁₀-cycloalkyl, ~~C₃-C₁₂-aryl or C₃-~~

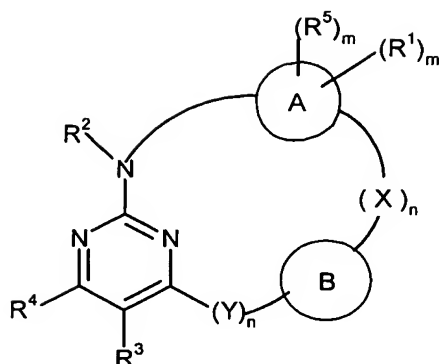
~~C₁₈-heteroaryl that is optionally substituted in one or more places in the same way or differently with hydroxy, halogen, C₁-C₁₂-alkoxy, C₁-C₆-alkylthio, amino, cyano, C₁-C₆-alkyl, NH-(CH₂)_p-C₃-C₁₀-cycloalkyl, C₃-C₁₀-cycloalkyl, C₁-C₆-hydroxyalkyl, C₂-C₆-alkenyl, C₂-C₆-alkinyl, C₄-C₆-alkoxy-C₁-C₆-alkyl, C₁-C₆-alkoxy-C₁-C₆-alkoxy-C₁-C₆-alkyl, NHC₁-C₆-alkyl, N(C₁-C₆-alkyl)₂, SO(C₁-C₆-alkyl), SO₂(C₁-C₆-alkyl), C₁-C₆-alkanoyl, CONR⁸R⁹, COR¹⁰, C₁-C₆-alkylOAc, carboxy, C₃-C₁₂-aryl, C₃-C₈-heteroaryl, (CH₂)_p-C₃-C₁₂-aryl, or (CH₂)_p-C₃-C₁₈-heteroaryl, phenyl-(CH₂)_p-R¹⁰, (CH₂)_pPO₃(R¹⁰)₂ or with the group -NR⁸R⁹, and the phenyl, C₃-C₁₀-cycloalkyl, C₃-C₁₂-aryl, C₃-C₁₈-heteroaryl, (CH₂)_p-C₃-C₁₂-aryl and (CH₂)_p-C₃-C₁₈-heteroaryl itself optionally can be substituted in one or more places in the same way or differently with halogen, hydroxy, C₁-C₆-alkyl, C₁-C₆-alkoxy, or with the group -CF₃ or -OCF₃, and the ring of the C₃-C₁₀-cycloalkyl and the C₁-C₁₀-alkyl optionally can be interrupted by one or more nitrogen, oxygen and/or sulfur atoms and/or can be interrupted by one or more =C=O groups in the ring and/or optionally one or more possible double bonds can be contained in the ring,~~

m stands for 0 to 8, and

n and p stand for 0 to 6, as well as or isomers, diastereomers, enantiomers and or salts thereof.

2. (Cancelled)

3. (Currently Amended) Compounds of formula (I), ~~according to claim 1,~~



in which

A stands for phenylene or thiophenylene,

B stands for a bond or for C_1 - C_{12} -alkylene, C_3 - C_8 -cycloalkylene or C_3 - C_{12} -arylene phenylene or thiophenylene that is optionally substituted in one or more places in the same way or differently with hydroxy, C_1 - C_6 -alkyl, C_1 - C_6 -hydroxyalkyl or $-(CH_2)_pSO_3R^8$,

X and Y, in each case independently of one another, stand for oxygen or for the group $-NR^{11}-$, $-NR^{11}(CH_2)-$, $-CONR^8-$, $-SO_2NR^8-$ or $-NR^8CONR^9-$,

R^1 and R^5 , in each case independently of one another, stand for hydrogen, halogen, nitro, C_1 - C_6 -alkyl, or for $-NR^8R^9$, $-C_1$ - C_6 -alkyloxy- C_1 - C_6 -alkyloxy or $--S(O)_2NR^8R^9$,

R^2 stands for hydrogen,

R^3 stands for hydrogen, halogen, cyano, C_1 - C_{10} -alkyl or $-CONR^8R^9$,

R^4 stands for hydrogen,

R^8 ,

R⁹

and R¹¹, in each case independently of one another, stand for hydrogen or for

C₁-C₁₀-alkyl,

m stands for 0 to 4, and

p stands for 0 to 6,

~~as well as~~ or isomers, diastereomers, enantiomers ~~and~~ or salts thereof.

4. (Currently Amended) Compounds of formula (I), according to ~~claim 1~~ claim 3, in

which

A stands for phenylene,

B stands for a bond or for C₁-C₁₂-alkylene, cyclohexylene or phenylene that is optionally substituted in one or more places in the same way or differently with hydroxy, C₁-C₆-alkyl, C₁-C₆-hydroxyalkyl or -(CH₂)SO₃R⁸,

X stands for oxygen or for the group -CONR⁸-, -SO₂NR⁸- or -NR⁸CONR⁹-,

Y stands for oxygen or for the group -NR¹¹-,

R¹ and R⁵, in each case independently of one another, stand for hydrogen, amino, halogen, nitro, C₁-C₆-alkyl, or for the group -NR⁸R⁹, -C₁-C₆-alkyloxy- C₁-C₆-alkyloxy or -S(O)₂NR⁸R⁹,

R² stands for hydrogen,

R³ stands for hydrogen, halogen, cyano, C₁-C₁₀-alkyl, or -CONR⁸R⁹,

R⁴ stands for hydrogen,

R^8 , R^9 and R^{11} , in each case independently of one another, stand for hydrogen or
for methyl or isobutyl,

m stands for 0 to 4, and

p stands for 0 to 6,

as well as isomers, diastereomers, enantiomers, and salts thereof.

5. (Currently Amended) Compounds of formula (I), according to ~~claim 1~~ claim 3, in
which

A stands for phenylene,

B stands for a bond or for C_1 - C_{12} -alkylene that is optionally substituted in
one or more places in the same way or differently with hydroxy, C_1 - C_6 -
hydroxyalkyl or $-(CH_2)SO_3R^8$,

X stands for oxygen or for the group $-SO_2NR^8-$ or $-NR^8CONR^9-$,

Y stands for the group $-NR^{11}-$,

R^1 and R^5 , in each case independently of one another, stand for hydrogen, amino,
halogen, nitro or for the group $-S(O)_2NR^8R^9$,

R^2 stands for hydrogen,

R^3 stands for halogen or cyano,

R^4 stands for hydrogen,

R^8 , R^9 and R^{11} in each case stand for hydrogen, and

m stands for 0 to 4,

~~as well as~~ or isomers, diastereomers, enantiomers ~~and~~ or salts thereof.

6. (Currently Amended) Compounds of formula (I), according to ~~claim 1~~ claim 3, in

which

A stands for thiophenylene,

B stands for a bond or for C₁-C₁₂-alkylene,

X stands for the group -SO₂NR⁸-,

Y stands for the group -NR¹¹-,

R³ stands for halogen,

R¹, R², R⁴, R⁵,

R⁸, R⁹ and R¹¹ in each case stand for hydrogen,

m stands for 0 to 2,

~~as well as~~ or isomers, diastereomers, enantiomers ~~and~~ or salts thereof.

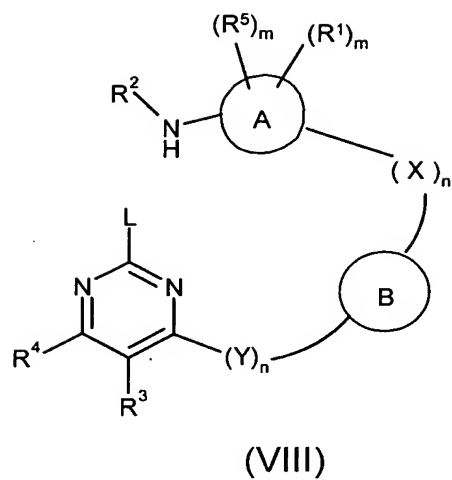
7. (Cancelled)

8. (Cancelled)

9. (Previously Presented) Process for the production of the compounds of formula I

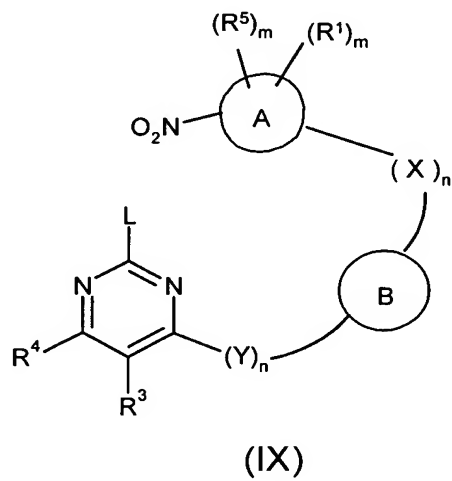
according to claim 1, wherein either

a) compounds of formula VIII



in which R^1 , R^2 , R^3 , R^4 , R^5 , X , Y , A , B , m and n have the meanings that are indicated in formula I, and L stands for a leaving group, are cyclized with a an acid to compounds of formula I, or

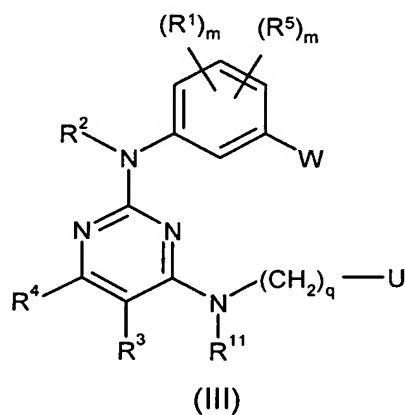
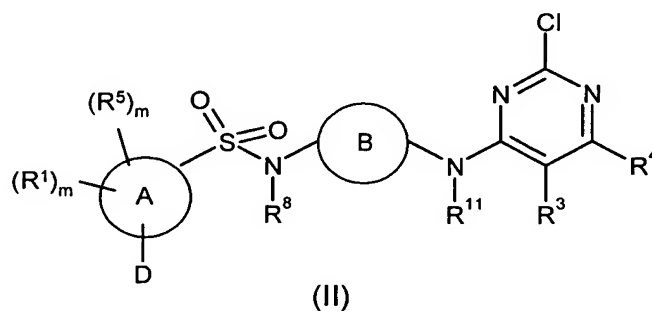
b) the acyclic precursors of formula (IX)

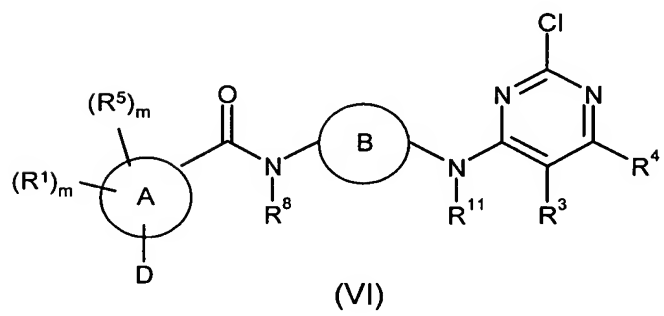
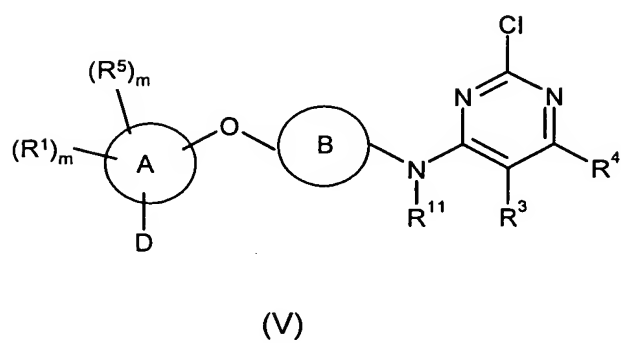
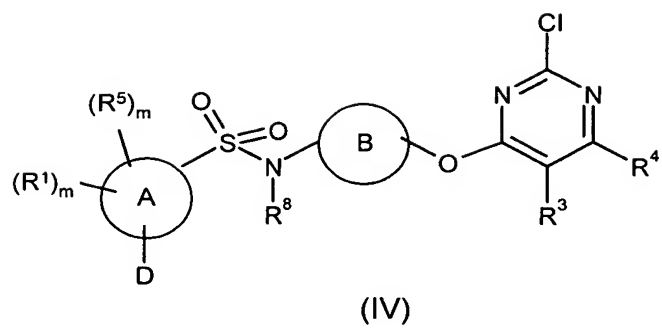


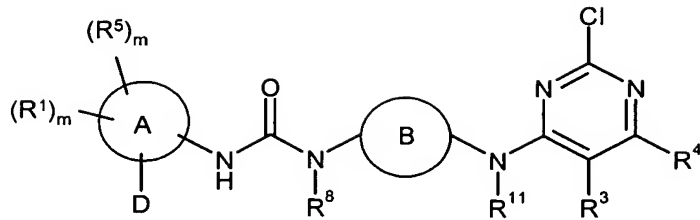
in which R^1 , R^3 , R^4 , R^5 , X , Y , A , B , m and n have the meanings that are indicated in formula I,

and L stands for a leaving group, are first reduced to amine in a solvent and a reducing agent at 0°C until reflux takes place and then the intermediately formed amine is cyclized to the compounds of formula I.

10. (Currently Amended) Compounds according to claim 3, of formula (II), (III), (IV), (V), (VI) or (VII)



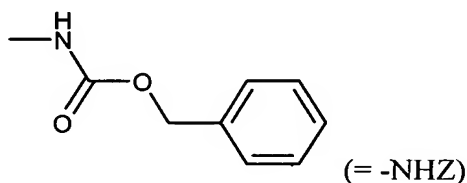




oder (VII)

[or]

in which $R^1, R^2, R^3, R^4, R^5, R^8, R^{11}, A, B$ and m have the meanings that are indicated in general formula I and D stands for $-NH_2$, NAC or $-NO_2$, q stands for 1 to 12, U stands for group $-OH$, $-CO_2H$, $-CO_2-Cl-C_6-alkyl$, $-SO_2Cl$, $-SO_2F$, $-SO_3H$ or



and W stands for the group $-OH$, $-OH$, $-CO_2H$, $-CO_2-Cl-C_6-alkyl$, $-SO_2Cl$, $-SO_2F$ or $-SO_3H$,

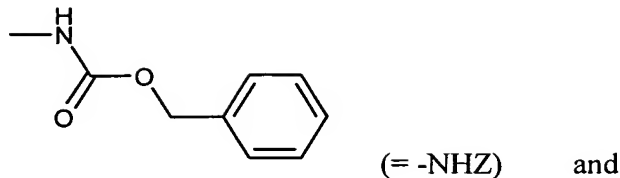
as well as or isomers, diastereomers, enantiomers and or salts thereof .

11. (Currently Amended) Compounds of formula (II), (III), (IV), (V), (VI) or (VII) according to claim 10, in which

A stands for phenylene or thiophenylene, and

$R^1, R^2, R^3, R^4, R^5, R^8, R^{11}$ and m have the meanings that are indicated in general formula I, and D stands for $-NH_2$, $-NAC$ or $-NO_2$, q stands for 1 to 12,

U stands for the group $-OH$, $-CO_2H$, $-CO_2-Cl-C_6-Alkyl$, $-SO_2Cl$, $-SO_2F$, $-SO_3H$ or



W stands for the group -OH -OH, -CO₂H, -CO₂-C₁-C₆-alkyl, -SO₂Cl, -SO₂F or -SO₃H,

as well as or isomers, diastereomers, enantiomers and or salts thereof.

12. (Currently Amended) A method for the treatment of cancer, ~~angiofibroma, arthritis, eye diseases, autoimmune diseases, chemotherapy agent-induced alopecia and mucositis, Crohn's disease, endometriosis, fibrotic diseases, hemangioma, cardiovascular diseases, infectious diseases, nephrological diseases, chronic and acute neurodegenerative diseases, injuries to nerve tissue, viral infections, for inhibiting reocclusion of vessels after balloon catheter treatment, in vascular prosthetics or after mechanical devices are used to keep vessels open, or for supporting scar free healing, in the case of senile keratosis and contact dermatitis,~~ as solid tumors, tumor or metastasis growth, Kaposi's sarcoma, Hodgkin's disease or leukemia, comprising administering to a host in need thereof a compound of formula I according to claim 1.

13. (Cancelled)

14. (Currently Amended) ~~Pharmaceutical agents that contain~~ A pharmaceutical composition, comprising at least one compound according to claim 1 and a pharmaceutically acceptable carrier.

15. (Cancelled)

16. (Cancelled)

17. (Currently Amended) A pharmaceutical composition, comprising compound according to ~~claim 1~~ claim 3 and suitable formulation substances and vehicles.

18. (Cancelled)

19. (Cancelled)

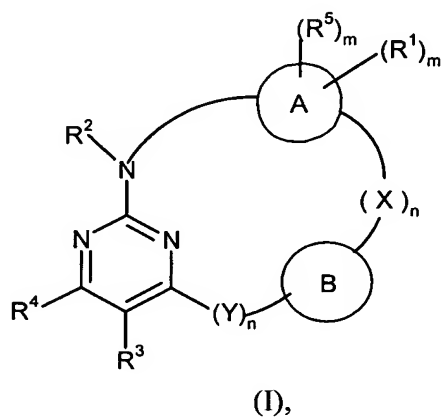
20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (New) Compounds of formula I



in which

- A stands for phenylene or thiophenylene,
- B stands for C₁-C₁₂-alkylene, C₃-C₈-cycloalkylene, or phenylene that is optionally substituted in one or more places in the same way or differently with hydroxy, C₁-C₆-alkyl, C₁-C₆-hydroxyalkyl, or -(CH₂)_pSO₃R⁸,

X and Y, in each case independently of one another, stand for oxygen, sulfur or
for the group $-NR^{11}-$, $-NR^{11}(CH_2)-$, $-CONR^8-$, $-SO_2NR^8-$, $-S(O)_2N(COR^8)-$,
 $-NR^8SO_2-$, or $-NR^8CONR^9-$,

R^1 and R^5 , in each case independently of one another, stand for hydrogen,
halogen, nitro, C_1-C_6 -alkyl or for the group $-C_1-C_6$ -alkyloxy- C_1-C_6 -alkyloxy,
 $-NR^8R^9$, $-NR^8COR^9$, $-S(O)_2NR^8R^9$, $-S(O)_2N=CH-NR^8R^9$,
 $-CO_2H$, $-CO_2R^8$, $-CONR^8R^9$,

R^2 stands for hydrogen,

R^3 stands for hydrogen, halogen, cyano, C_1-C_{10} -alkyl, $-CONR^8R^9$,

R^4 stands for hydrogen,

R^6 , R^7 , R^8 ,

R^9 , R^{10}

and R^{11} , in each case independently of one another, stand for hydrogen or for
 C_1-C_{10} -alkyl, C_2-C_{10} -alkenyl, $-N(C_1-C_6-alkyl)_2$, or $-SO(C_1-C_6-alkyl)$,

m stands for 0 to 8,

p stands for 0 to 6, and

n stands for 1

~~as well as~~ or diastereomers, enantiomers ~~and~~ or salts thereof.